

## CLEANING AND STORAGE CONT'D.

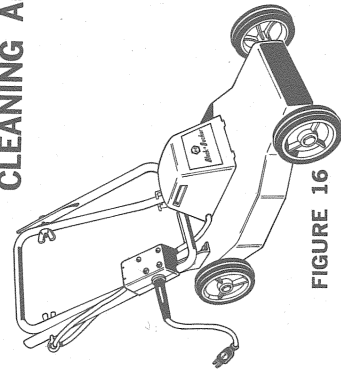


FIGURE 16

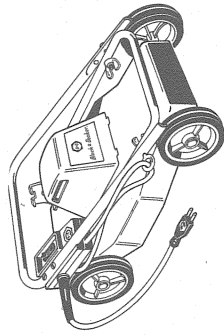


FIGURE 17

**FOLDING MOWER HANDLE** — The handle can be folded either as shown in Figure 16, or as shown in Figure 17 as follows:

(1) **FIGURE 16** — Loosen two wing nuts that hold upper and lower handle sections together. Fold upper handle section forward as shown.

(2) **FIGURE 17** — Squeeze both lower handle legs inward so that they clear the mounting brackets on the mower deck. Fold handle forward to a horizontal position. Loosen two wing nuts that hold upper and lower handle sections together. Fold upper section backward as shown. Be careful to avoid pinching electric cord.

**PREVENTING CORROSION** — Fertilizers and other garden chemicals contain agents which greatly accelerate the corrosion of metals. If you mow in areas where fertilizers or chemicals have been used, the mower should be cleaned immediately afterward as follows: (1) Be sure the tool is unplugged. (2) Wipe all exposed parts with a damp cloth. **CAUTION: DO NOT POUR OR SPRAY WATER ON THE MOWER IN AN ATTEMPT TO CLEAN IT.** Do not store the tool on or adjacent to fertilizers or chemicals. Such storage can cause rapid corrosion.

### IMPORTANT

To assure product **SAFETY** and **RELIABILITY**, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by **BLACK & DECKER** Service Centers or other qualified service organizations, always using **Black & Decker** replacement parts. When servicing **Double-Insulated Tools**, use **ONLY IDENTICAL REPLACEMENT PARTS**.

### HOME USE WARRANTY (A FULL ONE YEAR WARRANTY)

**Black & Decker** warrants this product for one year. We will repair, without charge, any defect due to faulty material or workmanship, or at our option, replace the product free. Please return the complete unit, transportation prepaid, to any **Black & Decker Service Center** or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest **Black & Decker Service Center Manager**

### ACCESSORIES

No. 80-002 Replacement Blade No. U3305 or No. U3339 Cord Connector  
No. U3335 Wheel Height Adjustor Kit

### EXTENSION CORDS

16 gauge with tough vinyl insulation. Easily visible orange color. 3-wire round cable for tools requiring ground. 2-wire cable for double-insulated tools. U.L. listed for outdoor use.

No. 88-050 50' 16/3 (three wire) No. 88-052 50' 16/2 (two wire)  
No. 88-100 100' 16/3 (three wire) No. 88-102 100' 16/2 (two wire)  
No. 89-000 Extension Cord Storage Reel (holds up to 150 ft. of SJT 16/3 cord)

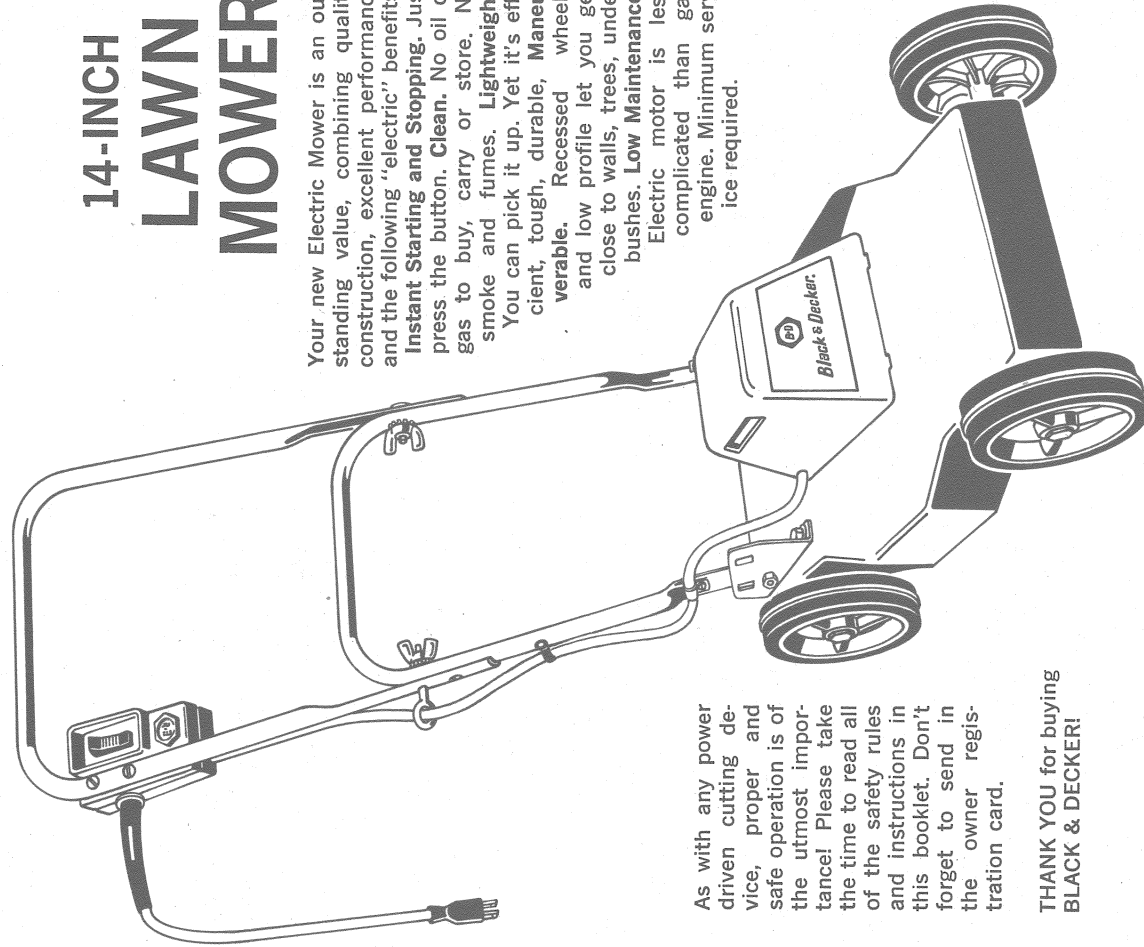
**CAUTION:** The above accessories are recommended for use with your mower. The use of any other accessory or attachment might be hazardous.

**BLACK & DECKER (U.S.) INC., TOWSON, MD. 21204, U.S.A.**  
Form No. 722558-04 (NOV78-AL) Printed in U.S.A.

# Black & Decker

## 14-INCH LAWN MOWER

Your new Electric Mower is an outstanding value, combining quality construction, excellent performance and the following "electric" benefits: **Instant Starting and Stopping.** Just press the button. **Clean.** No oil or gas to buy, carry or store. **No smoke and fumes.** **Lightweight.** You can pick it up. Yet it's efficient, tough, durable, **Maneuverable.** Recessed wheels and low profile let you get close to walls, trees, under bushes. **Low Maintenance.** Electric motor is less complicated than gas engine. Minimum service required.



As with any power driven cutting device, proper and safe operation is of the utmost importance! Please take the time to read all of the safety rules and instructions in this booklet. Don't forget to send in the owner registration card.

THANK YOU for buying **BLACK & DECKER!**

# OWNER'S MANUAL

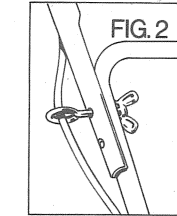


FIG. 2

2. The handle is assembled as shown in Figure 2. Tighten the two wing nuts on the bolts which hold the upper and lower handle sections together. Squeeze handle ends together slightly and lift to snap into tabs on mounting brackets.

**NOTE:** There are two holes in each side of the upper handle section (Fig. 2). To change handle height remove fasteners and replace them through the selected holes.

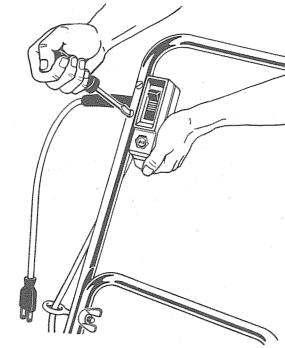


FIGURE 4

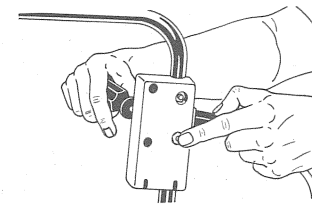


FIGURE 5

3. Attach switch box to upper handle as shown in Figures 4 and 5. Use two screws and hex nuts (Item "A," Figure 1).

### ASSEMBLY

1. Remove cardboard fillers and mower from carton, along with four wheels and plastic hardware bag (contents shown in Figure 1).

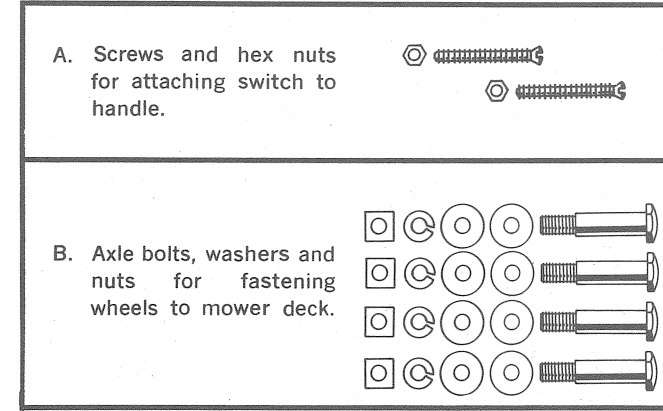


FIG. 1

### WHEEL ASSEMBLY

1. Select the cutting height you will want to use on your lawn and note which mounting holes (Fig. 6) will give you this height.

2. Insert an axle bolt through wheel, flat washer, and the hole in the deck providing the desired cutting height.

3. Place another flat washer, lock washer, and square nut on axle bolt. Hold square nut with a wrench and tighten axle bolt with a second wrench.

4. Repeat for other 3 wheels. **For proper mower performance it is important that all wheels be set for the same cutting height. If mower does not cut properly, check wheel settings.**

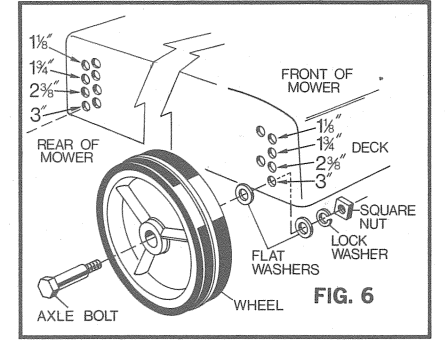


FIG. 6

### EXTENSION CORD

Use only U.L. listed "outdoor" extension cords.

To prevent loss of power and overheating, the size of the wires in an extension cord must be of adequate size. Use the table below to determine minimum wire size required.

Extension Cord Length	Up to 150 Ft.	150 Ft. to 200 Ft.
Minimum Wire Size*, 120 Volt Tools	16	14

\*American Wire Gauge

**NOTE:** The lower the wire size number, the heavier the wire, and the farther it will carry current without a significant voltage drop.

Before using any extension cord, inspect it, and the short mower power cord, for loose or exposed wires and damaged insulation. Make any needed repairs or replacement before using with mower. If you cut or damage the extension cord, **unplug it at the electrical outlet before moving mower or examining the damage.** If there is damage to the extension cord, make any needed repairs before using it.

**NOTE:** Your mower is a major appliance and should not be operated simultaneously with other major appliances on the same household circuit.

### ATTACHING EXTENSION CORD TO MOWER CORD

**DO NOT** connect the extension cord to power source until you have finished reading this manual and are ready to start mowing.

To prevent disconnection of mower cord from extension cord when mowing, (1) make a knot as shown in Figure 7A, or (2) use one of the accessory Cord Connectors shown in Figure 7B (available at small extra cost from your dealer).

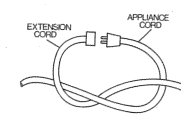
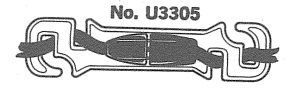
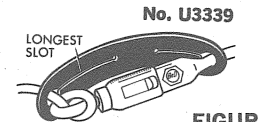
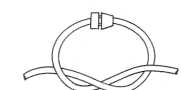


FIGURE 7A



No. U3305



No. U3339

FIGURE 7B

## SAFETY RULES FOR ELECTRIC LAWN & GARDEN TOOLS

- 1. AVOID DANGEROUS ENVIRONMENT** — Don't use tools in damp or wet locations.
- 2. KEEP CHILDREN AWAY** — All visitors should be kept a safe distance from work area.
- 3. STORE IDLE TOOLS INDOORS** — When not in use, tool should be stored indoors in dry, high or locked-up place — out of reach of children.
- 4. DON'T FORCE TOOL** — It will do the job better and safer at the rate for which it was designed.
- 5. USE RIGHT TOOL** — Do not use tool for any job except that for which it is intended.
- 6. DRESS PROPERLY** — Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial rubber soled footwear is recommended when working outdoors.
- 7. DON'T ABUSE CORD** — Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 8. WARNING** — To prevent shock hazard use only with an extension cord suitable for outdoor use.
- 9. DON'T USE TOOL IN RAIN.**
- 10. DON'T OVERREACH** — Keep proper footing and balance at all times.
- 11. MAINTAIN TOOLS WITH CARE** — Keep cutting edges sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 12. DISCONNECT TOOL** — Disconnect the tool from the power supply when not in use, before servicing, when changing accessories such as blades, etc.
- 13. AVOID UNINTENTIONAL STARTING** — Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
- 14. EXTENSION CORDS** — To prevent disconnection of mower cord from the extension cord during operation, connect cords exactly as shown in Figure 7A or 7B.
- 15. KEEP GUARDS IN PLACE** and in working order.
- 16. KEEP BLADES SHARP.**
- 17. KEEP HANDS AND FEET** away from cutting area.
- 18. OBJECTS STRUCK BY THE LAWN MOWER BLADE** can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
- 19. IF MOWER STRIKES A FOREIGN OBJECT** follow these steps: (a) Stop mower, (b) Unplug power cord, (c) Inspect for damage, (d) Repair any damage before restarting and operating the mower.
- 20. USE AN IDENTICAL REPLACEMENT BLADE ONLY.**
- 21. DO NOT OPERATE** electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

## ADDITIONAL LAWN MOWER SAFETY RULES

**Training:** 1. Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. 2. Never allow children to operate a power mower. 3. Keep the area of operation clear of all persons, particularly small children, and pets.

**Preparation:** 1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones, and other foreign objects. 2. Do not operate the equipment when barefoot or wearing open sandals. Always wear substantial footwear. 3. Never attempt to make a wheel height adjustment while the motor is running. 4. Mow only in daylight or in good artificial light. 5. Never operate the equipment in wet grass. (continued next column)

Always be sure of your footing; keep a firm hold on the handle and walk; never run.

**Operation:** 1. Do not put hands or feet near or under rotating parts. 2. Stop the blade when crossing gravel drives, walks, or roads. 3. After striking a foreign object, stop the motor, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. 4. If the equipment should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble. 5. Stop the motor whenever you leave the equipment, before cleaning the mower housing, and when making any repairs or inspections. 6. When cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. 7. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. 8. Always disconnect electric mowers before cleaning, repairing, or adjusting. 9. Never operate the mower without proper guards, plates, or other safety protective devices in place.

**Maintenance and Storage:** 1. Check the blade at frequent intervals for proper tightness. 2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.

## DOUBLE INSULATION

Your Mower is DOUBLE-INSULATED to give you added safety. This means that it is constructed throughout with TWO separate "layers" of electrical insulation or one DOUBLE thickness of insulation between you and the tool's electrical system.

Tools built with this insulation system are not intended to be grounded. As a result, your mower is equipped with a two-prong plug which permits you to use extension cords without concern for maintaining a ground connection.

**NOTE:** DOUBLE-INSULATION does not take the place of normal safety precautions when operating this mower. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

**CAUTION:** When servicing Double Insulated Tools, USE ONLY IDENTICAL REPLACEMENT PARTS. Repair or replace damaged cords.

## SWITCH & CIRCUIT BREAKER

The rocker-type switch, attached to the upper handle, turns the mower "ON" and "OFF." Always be sure that this button is in the "OFF" position before plugging extension cord into the power supply receptacle.

When you turn the switch "OFF," the motor is electrically braked so that the blade will stop rotating in about four seconds. DO NOT stop motor by disconnecting cord.

A Circuit-Breaker is built into the switch to protect the motor from overheating when cutting thick, heavy grass. If the motor stops, and electric cord connections are intact, turn switch "OFF" and wait about 10 minutes for the motor to cool. To restart motor, press in the circuit-breaker button, "A" Figure 8, and turn switch "ON." If breaker continues to open, a higher cutting height adjustment may be necessary to reduce motor overloading.

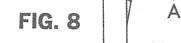
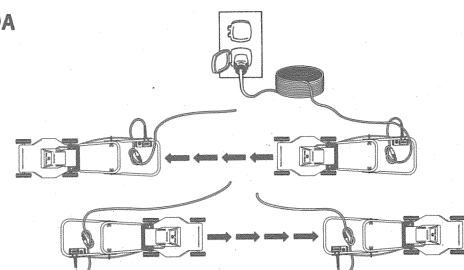


FIG. 8

## MOWING PROCEDURE

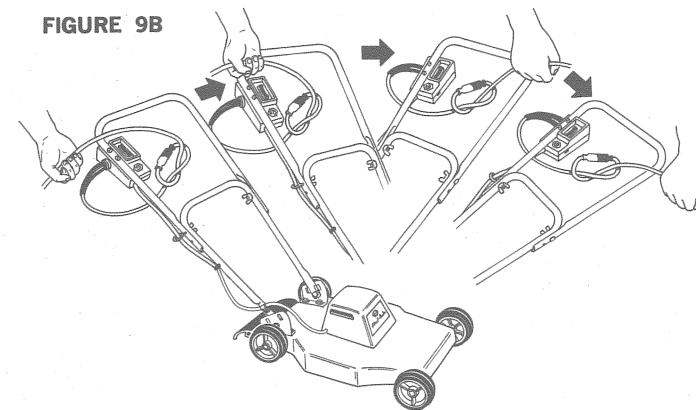
1. Place most of the extension cord close to the electrical outlet, out of the path of the mower. **CAUTION:** Do not plug extension cord into receptacle outlet while standing in water or when hands are wet.

FIGURE 9A



## MOWING PROCEDURE CONT'D.

FIGURE 9B



2. Begin mowing in the area closest to the outlet and mow in a back and fourth manner (Figure 8). When you reach the edge of the lawn, pivot the mower on the rear wheels toward the cord. At the same time, grasp the cord and flip the cord over the mower so that cord again lies on cut portion of lawn (Figure 9B). This action at the end of each cut will keep the extension cord away from the path of the mower.
3. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always maintain good footing.
4. Turn mower "OFF" when crossing any gravel area (stones can be thrown by the blade).
5. Set mower at highest cutting height when mowing in rough ground or in tall weeds.
6. From time to time stop the mower — UNPLUG CORD — turn mower on its side. Wipe out any accumulation of grass in the blade area. Be careful of the sharp edges of the blade.
7. ALWAYS TURN THE SWITCH OFF AND UNPLUG THE MOWER WHEN LEAVING IT UNATTENDED EVEN FOR A SHORT PERIOD OF TIME.
8. When you are finished mowing, turn mower "OFF," and unplug the extension cord at the electrical outlet before coiling it for storage.

**CAUTION:** The plastic shield, hanging at the rear of the mower deck, is designed to prevent the blade from throwing stones or other objects backward from under the deck. DO NOT operate mower without this shield in place.

## LUBRICATION

At the end of each season lubricate the motor as follows: (1) UNPLUG MOWER! (2) Holding a wrench on the nuts under the mower deck, remove the two screws at the back of the motor cover (Figure 10). (3) Lift off motor cover, disengaging tabs at front of cover. (4) Place three drops of motor oil on the felt at top of motor (Figure 11). (5) Replace motor cover by engaging tabs at front of cover with slots in deck, and replacing screws and nuts at rear of cover.

No other lubrication is necessary. Do not oil wheels as they have plastic bearings.

FIG. 10

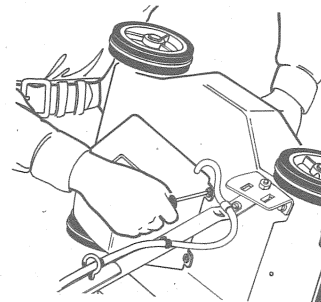
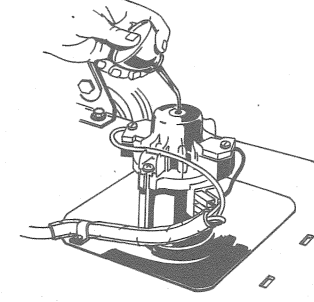


FIG. 11



## BLADE SHARPENING

Keep blade sharp for best mower performance. Sharpen blade as follows:

- (1) UNPLUG MOWER! (2) Wear gloves and turn mower over to expose blade (Figure 12).
- (3) Grasp blade as shown in Figure 12 using a rag to protect hand from cutting edge.
- (4) Sharpen each end of blade with a file, trying to remove an equal amount of metal from each end to maintain blade balance.

**NOTE:** Blade can also be removed for sharpening on a bench grinder; or, when held in a vise, with a power disc sander. Wear eye protection!

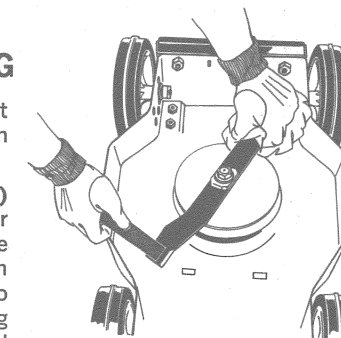


FIGURE 12

## REMOVING & ATTACHING BLADES

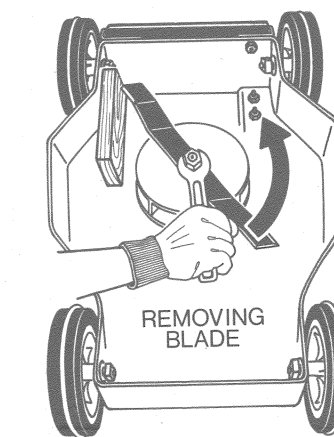


FIGURE 13

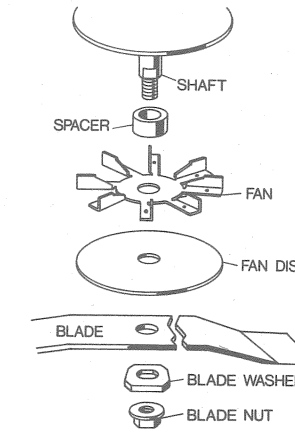


FIGURE 14

- (1) UNPLUG MOWER! (2) Wear gloves and place a piece of 2 x 4 wood in the position at back end of mower shown in Figure 13. (3) Push blade end against wood to keep blade from turning and turn blade nut with a wrench in direction of arrow to remove blade nut, blade washer and blade.

When installing a replacement or sharpened blade, be sure all parts are correctly positioned on shaft (Figure 14). Note that blade must be placed on shaft so that cutting edges are closest to ground. To tighten blade nut, place wood on opposite side of back end of mower to keep blade from turning. Tighten nut in opposite direction from arrow shown in Figure 13. Tighten nut firmly.

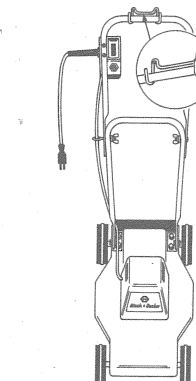


FIGURE 15

## CLEANING & STORAGE

**UNPLUG CORD!** Use only mild soap and a damp cloth to clean the mower. Many household cleaners contain chemicals which could seriously damage the plastic. Also, do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Clean out any clippings which may have accumulated on the underside of the deck.

After several uses, check all exposed fasteners for tightness.

Your mower should be stored in a dry place, and to save space it can be hung on a wall (Figure 15) as follows:

- (1) Squeeze both lower handle legs inward so that they clear the mounting brackets on the mower deck. Lower the handle backward to a horizontal position. (2) Mount bracket on the wall. Keep mower deck and handle parallel and hang mower on bracket.

(continued on back page)